

Lactate Dehydrogenase A Mouse Recombinant

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| Item Number | rAP-1054 |
| Synonyms | L-lactate dehydrogenase A chain, LDH-A, LDH muscle subunit, LDH-M. |
| Description | LDHA Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 340 amino acids (1-332a.a.) and having a molecular mass of 37.5kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). |
| Uniprot Accesion Number | P06151 |
| Amino Acid Sequence | MATLK DQLIV NLLKEEQAPQ NKITVVGVGA VGMACAISIL MKDLADELAL V DVMEDKLKG EMMDLQHGSL FLKTPKIVSS KDYCVTANSK LVIITAGARQ QEGESRLNLV QRNVNIFKFI IPNIVKYSYPH CKLLIVSNPV DILTYVAWKI SGFPKNRVIG SGCNLDSARF RYLMGERLGV HALSCHGWVL GEHGDSSVPV WSGVN VAGVS LKSLNPELGT DADKEQWKEV HKQVVDSAYE VIKLKGYTSW AIGLSVADLA ESIMKNLRRV HPISTMIKGL YGINEDVFLS VPCILGQNGI SDVVKVTLTP EEEARLKKSA DTLWGIQKEL QFLEHHHHHH. |
| Source | Sf9, Baculovirus cells. |
| Physical Appearance and Stability | Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | LDHA protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | Specific activity is > 250 units/mg, and is defined as the Amount of enzyme that convert 1.0 umole of pyruvate to L-lactate and per minute at pH 7.5 at 37C. |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**